

Requested Patent GB2283636A
Title: CODING AND DECODING VIDEO SIGNALS ;
Abstracted Patent US5841470 ;
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Inventor(s): WELSH WILLIAM JOHN (GB) ;
Applicant(s): BRITISH TELECOMM (GB) ;
Application Number: US19950360830 19950117 ;
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IPC Classification: H04N7/28 ;
Equivalents: AU4351793, HK110797, SG48914, WO9400951

ABSTRACT:

PCT No. PCT/GB93/01352 Sec. 371 Date Jan. 17, 1995 Sec. 102(e) Date Jan. 17, 1995 PCT Filed Jun. 29, 1993 PCT Pub. No. WO94/00951 PCT Pub. Date Jan. 6, 1994 Video signals are coded at a first relatively low frame rate. One or more portions of the image area, for example, the mouth of a person speaking, recognised by feature extractor, are coded at a higher frame rate. Preferably the second coding operates by resolving the pixel values of the image portion-considered as a vector-relative to a set of orthogonal reference vectors to produce coefficients which are then transmitted. Preferably, the feature extractor normalises the image portion as regards scaling, position and rotation and sends data on these parameters as side information.

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(56) Documents Cited by ISA

EP 0225729 A WO 92/02000 A WO 90/02370 A
WO 88/09101 A

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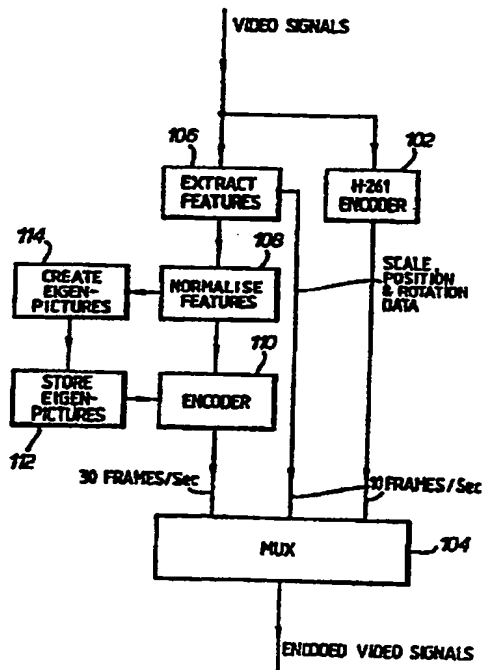
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(54) Coding and decoding video signals

(57) Video signals are coded (102) at a first relatively low frame rate. One or more portions of the image area, for example the mouth of a person speaker; recognised by feature extractor (106), are coded (110) at a higher frame rate. Preferably the second coding operates by resolving the pixel values of the image portion - considered as a vector - relative to a set of orthogonal reference vectors (stored in 112) to produce coefficients which are then transmitted. Preferably, the feature extractor (106) normalises the image portion as regards scaling, position and rotation and sends data on these parameters as side information.



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